



McCormick County School District

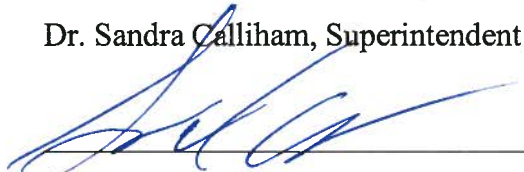
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McCormick School District Technology Plan


2010-2013


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District Profile

- 2008-2009: Number of schools in the district: 3
 - McCormick Elementary School
 - McCormick Middle School
 - McCormick High School
- Beginning in 2010-2011: Number of School in the district: 2
 - McCormick Elementary School
 - McCormick High School
- Number of students enrolled in district schools: 918*
 - McCormick Elementary School: 452*
 - McCormick Middle School: 195*
 - McCormick High School: 271*
- Percentage of students eligible for free and reduced lunch: 88.13%*
- District E-rate discount: 90%*

***Figures based on the 2008 SDE E-Rate Data on SCSDE website retrieved from http://ed.sc.gov/topics/researchandstats/reports/tech/erate/2008/show_district_erate.cfm?ID=3301**

- Number of English as a Second Language (ESL) students: 0
- Number of dropouts:
 - 2007-2008 – 2.5%
- Graduation rate: 86.5%**

****Figures based on the 2008 District Report Card retrieved from: <http://www.ed.sc.gov/topics/researchandstats/schoolreportcard/2008/district/summary/D3301999.pdf>**

With an ever-increasing level of achievement, a commitment to facilities, an emphasis on literacy, Explicit Direct Instruction, and vertical teaming, as well as, a focus on improved health, McCormick School District positively impacts the lives of students and the surrounding

community. Students, parents, school leaders, teachers, and support staff work together daily to reach higher levels.

Executive Summary

This plan is in response to the South Carolina State Technology Plan and is aligned very closely to the structure of that plan. As outlined in the State Plan, five dimensions are addressed, with one-year goals for each. Technology Dimension 1 is the Learners and Their Environment. McCormick School District will use research-proven strategies to provide an environment for students to be technology literate by the end of eighth grade and to use technology for real life applications in grades 9-12. Technology Dimension 2 is Professional Capacity and our goal is that McCormick School District will provide on-going staff development to increase the technology proficiency of all staff so that all staff members can use instructional technology in the schools. Technology Dimension 3 is Instructional Capacity. McCormick School District will maintain a standards-based learning environment that supports student achievement by using current research-based technologies in all the instructional settings. Technology Dimension 4 is Community Connections, an emerging goal for McCormick. While the community has always been partners in our schools, we will strive to maximize community partnerships to increase student achievement. The Technology Dimension 5 is Support Capacity. The goal for this dimension will be to maintain the technology resources to assist staff and students in meeting the state academic standards. Evaluation of the progress of this technology plan will be critical to the long-range plan that we will structure around these five dimensions. Analyzing how the technology affects learning will be both qualitative and quantitative.

District Needs Assessment

A needs assessment was conducted in the fall of 2009 and the following information was obtained. A response of one (1) indicated that this is not a barrier at all and a response of five (5) indicated that this is a significant barrier.

Based on the responses, the teachers and staff either do not feel comfortable or do not know how to integrate technology into their lessons. In addition, there appears to have been inadequate training opportunities to equip the faculty and staff with the skills necessary to effectively integrate technology.

In terms of actual equipment, there appears to be a need to further equip all facilities with up-to-date technology and equipment. The overall score of three (3) indicates a weak barrier. However, the concentration of responses indicated that the elementary and middle schools perceived computer access and equipment as less of a barrier (less than three) , while the high school perceived it a more significant barrier (greater than three).

Needs Assessment Results:

What are the Barriers to Using Technology in Instruction?	1	2	3	4	5	Average Score
Limited Access to Up-to-Date Computers and Technology						3.0
Not Enough Instructional Software (current)						1.0
Too much Down Time When Equipment Malfunctions						2.0
Not Enough Training Opportunities						4.25
Don't Know How To Integrate Technology						4.5
Not Enough Planning Time to Plan Lessons						2.5
Lack of Instructional Support for Technology Projects						2.75
Lack of Faculty Recognition for Integration Efforts						1.0
Lack of Availability for Printing						1.0
Speed of Internet Access						1.0

District Vision and Mission Statements

What We Believe:

McCormick School District Technology Department values:

- The integration of technology into education that will help to prepare students with 21st century skills to succeed in a rapidly changing world.
- Seamless integration of technology that is a core part of the classroom and supports the curricular goals of the school.
- The management of support systems that facilitate the education of students through the management of the district.

Our Mission

The Mission of the Technology Department is to maintain the infrastructure of the district, assist instructional leaders in using technology effectively and to lead the district in technology related decisions.

District Mission

The Mission of McCormick County School District is to ensure that each student receives a quality education and becomes a productive citizen by providing an educational environment that utilizes all available resources within our diverse community surrounded by national forests and lakes.

Plans for the Five Individual Technology Dimensions

The State of South Carolina's Five Technology Dimensions

Technology Dimension One – Learners and Their Environment

Goal: Embed digital information systems into research-proven instructional strategies so that our students achieve technological literacy, attain 21st century skills, and meet the state's academic standards.

This dimension emphasizes helping students use technology in ways that advance their understanding of the content in the state curriculum standards while improving their real-life problem-solving and inquiry skills. The environment should be one of shared learning and designed to enhance student academic achievement through scientifically based learning practices and modern technologies.

Technology Dimension Two – Professional Capacity

Goal: The SDE, the school districts, and the schools will provide curriculum development and professional development to increase the competency of all South Carolina educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

This dimension emphasizes strategies to develop ongoing and sustained professional development programs for all educators -- teachers, principals, administrators, and school library media personnel. By utilizing a broad definition for the term professional capacity, this dimension is also aligned with the EOC action area called "Leadership and Coalition Building."

Technology Dimension Three – Instructional Capacity

Goal: The SDE, the school districts, and the schools will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

This dimension is the Executive Writing Committee's further refinement of the Milken dimension "Professional Competency." South Carolina's "Instructional Capacity" dimension specifically targets the development of strategies to integrate technology into curricula and teaching and also explores ways to promote teaching methods that are based on solid and relevant scientific research. This dimension also aligns with the EOC action area "Teacher Quality."

Technology Dimension Four – Community Connections

Goal: The SDE, the school districts, and the schools will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

This dimension emphasizes strategies for the development of partnerships and collaborative efforts to support technology-related activities and to maximize community involvement in education. This dimension promotes school and district partnerships with such entities as private schools, higher education institutions, public libraries, museums, nonprofit organizations, adult literacy providers, and business and industry in ways that will increase student achievement and teacher technology proficiency. This dimension aligns with the EOC action areas "Education for Economic Development" and "Community and Parental Support and Involvement."

Technology Dimension Five – Support Capacity

Goal: The SDE, the school districts, and the schools will expand and support technology resources to assist educators and learners in meeting the state academic standards.

This dimension seeks to combine the Milken progress dimensions "Technology Capacity" and "System Capacity." South Carolina's "Support Capacity" dimension emphasizes the development of strategies to provide the necessary physical infrastructure and supporting resources such as services, software and other electronically delivered learning materials, and print resources in order to ensure efficient and effective uses of technology. This dimension aligns with the EOC action areas "The Governance and Structure of the System" and "Efficient Use of Resources and Accountability."

McCormick School District's Five Technology Dimensions

Technology Dimension 1: Learners and Their Environment

A. Snapshot of Current Technology Use in District

McCormick School District will ensure students meet the state academic standards, and our District Technology Plan supports this. The district has been and continues to be engaged in a continuous effort to integrate best practices in instructional technology into instruction. Our goals are based on the success of the students and include:

1. Improve overall student academic achievement
2. Ensure students become technologically literate
3. Improve curriculum design and pedagogies with 21st century skills as a framework

B. Overall Goal for This Dimension

McCormick School District will use research-proven strategies to provide an environment for students to be technology literate by the end of eighth grade and to use technology for real life applications in grades 9-12.

C. Objectives, Strategies, and Action List to Reach Goal

Objectives	Strategies
1.1. All grade levels of students will have technology skills that will be acquired and demonstrated.	<p>A) Elementary students will have time in the computer labs and in classrooms to work on technology skills.</p> <p>B) Technology skills will be integrated in to the expectations of all content areas.</p> <p>C) Teachers will have resources at their fingertips to teach technology concepts and “how-to” skills.</p> <p>D) Ensure the programs support keyboarding proficiency by the eighth grade. (Microtype and Glencoe Keyboarding)</p> <p>E) Assistive technology will be in the schools to aid special needs students with use of technology.</p>
1.2. Students in grades 9-12 will demonstrate real life use of technology skills.	<p>A) Desktop publishing and other higher level technology skill classes will be available in the high school.</p> <p>B) Each 9th grade student will have access to online course in study</p>

	<p>skills or another topic of interest.</p> <p>C) A Virtual School or computer-assisted-instructional program(s) will be launched for credit recovery and to assist in flexible scheduling</p> <p>D) Assistive technology will be in the schools to aid special needs students with use of technology.</p>
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D. Implementation Action Steps for Districts and Schools

1. Use the IMPACT: Teaching and Learning for the 21st Century South Carolina K- 12 Information Literacy and Technology Integration Guide to guide technology integration in the classrooms.
2. Work with elementary administrators to ensure that schedules allow for adequate time in the computer lab.
3. Work within the vertical team structure to ensure technology components are addressed in each content area and each grade level.
4. Implement the Virtual School and/or other computer-assisted-instructional program hardware and software, including appropriate content (i.e. OdysseyWare, ClassWorks, Academy of Reading, and Academy of Math).
5. Introduce new assistive technologies into the special education classrooms and monitor the success. (i.e. Monitor Magnification)
6. Routinely use e-Portfolio as the assessment tool for 8th grade proficiency.

E. Funding Considerations for District and Schools

1. Certified Staff for the computer labs
2. Lesson Plan materials for instructional use in the computer labs.
3. Skill development materials for the classroom.
4. Technology refresh funding so all equipment is up to the requirements.
5. Cost of Learning Management System for Virtual School and/or other computer-assisted-instructional program
6. Cost of appropriate curriculum content for Virtual School and/or other computer-assisted-instructional program

F. Evaluation of Objectives (including baseline data sources and ongoing data sources)

Strategies	Evaluation Method
Elementary students will have time in the computer labs and in classrooms to work on technology skills.	Amount of time per student per week in computer labs. A minimum will be established for the district.
Technology skills will be integrated into the expectations of all content areas.	Survey of students' pre and post school year.
Teachers will have resources at their fingertips to teach technology concepts and "how-to" skills.	Survey of staff pre and post school year.
Ensure technology proficiency by the	Assess with e-Portfolio. Percent of students

end of 8th grade	that are technology proficient will improve by 10% each school year.
Assistive technology will be in the K-12 to aid special needs with use of technology.	Survey of teachers and students and staff pre and post school year.
Desktop publishing and other higher level technology skill classes available in the high school.	All plans, materials in place by the end of school year 10-11. Program implemented by 11-12.
Virtual School and/or computer-assisted-instructional program(s) will in place in the high school.	Program implemented by 2011.
Each 9th grade student will participate in an online course in study skills or another topic of interest.	Completion of 90% of all 9th grade students of one online course by the end of the freshman year.

G. Current Best Practices in District (if applicable)

Technology Dimension 2: Professional Capacity

A. Snapshot of Current Technology Use in District

Teachers in the district currently have a widely varying range of technology expertise both in computer skills as well as in their ability to integrate the technology into their day-to-day instruction. The state e-Portfolio system will be used. The 2008-2009 school year was the first year that the teachers were expected to complete the online tech assessment; as such participation was not what the district expects. Baseline data will be collected from the 2009-2010 administration of the e-Portfolio assessment. Preliminary data, based on the 2008-2009 e-Portfolio tech assessment, is presented below:

- Of the 77 certified faculty who took the e-Portfolio tech assessment, 67 made an eighty (80) or higher.

B. Overall Goal for This Dimension

McCormick School District will provide on-going staff development to increase the technology proficiency of all staff so that all staff members can use instructional technology in the schools.

C. Objectives, Strategies, and Action List to Reach Goal

Objectives	Strategies
2.1. All McCormick School District staff will acquire and demonstrate technology proficiency based on the ISTE-A or the ISTE-T or district defined technology skill sets.	<p>A) Staff will take the SDE e-Portfolio Assessment each year, which will place them on a proficiency level.</p> <p>B) Beginning with the first recertification period which began in 2007 or later, teachers will have a five year window to take either a 3-hour technology course or earn 60</p>

	<p>recertification credit points in technology.</p> <p>C) Computer-based training will be offered for technology skills that a teacher needs.</p> <p>D) Peer groups for teachers in the same recertification cycle will be formed at each school.</p> <p>E) Hands-on training will be offered to bring teachers up to a standard that they cannot master on their own.</p> <p>F) Principals and Administrators will be required to demonstrate technology proficiency.</p>
2.2 Insure base level of teacher and staff technology competency.	<p>A) All staff members that are new to McCormick Schools will take the SDE e-Portfolio Assessment.</p> <p>B) Provide access to CBT for teachers and staff to enhance technology skills.</p> <p>C) All Teachers will work to obtain e-Portfolio Level 3 or greater.</p>

D. Implementation Action Steps for Districts and Schools

1. Each school will host a meeting of all this year's recertification renewal staff to cover the requirements of the technology proficiency.
2. Form peer-to-peer meetings so that all staff has a support group in learning the technology.
3. Locate materials that support the integration of the technology into classrooms and place in the appropriate location.
4. Each principal will assure teachers participate through meetings, trainings, and monitoring of the recertification renewal program to meet the requirements' of the technology proficiency.

E. Funding Considerations for District and Schools

1. Materials for the reward system of the Teacher Technology Proficiency
2. Materials for the integration of the technology into classrooms
3. Sustain the intranet, the current location for CBT and other professional development resources.

F. Evaluation of Objectives (including baseline data sources and ongoing data sources)

Strategies	Evaluation Method
2.1. All McCormick School District staff will acquire and demonstrate technology	Using the state's e-Portfolio assessment, teachers will increase 10% each school

proficiency based on the NETS-S or district defined technology skill sets.	year, until reaching mastery.
2.2 Insure base level of teacher and staff technology competency.	100% of teachers that use district resources will complete e-Portfolio tech assessment.

G. Current Best Practices in District (if applicable)

Technology Dimension 3: Instructional Capacity

A. Snapshot of Current Technology Use in District

School	Networked Desktop Computers	Networked Laptops	SmartBoards	Projectors
McCormick Elementary School	125	29	4	6
McCormick Middle School	125	59	8	20
McCormick High School	145	29	8	14
Merit Alternative Program	16	1	0	0
District Office	16	10	0	1
Total	427	98	20	41

B. Overall Goal for This Dimension

McCormick School District will maintain a student-centered environment that supports student achievement by using current research-based technologies in all the instructional settings, including the hardware needed to allow access to both students and teachers.

C. Objectives, Strategies, and Action List to Reach Goal

Objectives	Strategies
3.1 Expand the use of digital resources for students.	<p>A) The district will provide stable and easily accessible resources to students.</p> <p>B) Teachers will be versed in the standards where technology resources can aid instruction</p>
3.2 Teachers will share lesson plans and strategies for the integration of technology in the classroom.	<p>A) The district will maintain a resource room for teacher resources.</p> <p>B) The district will support all special areas, regular classrooms and</p>

	special education classrooms in lessons with technology integrated into them.
3.3 Multimedia equipment and software for teaching and learning will be accessible and easy to use.	A) The district will manage the equipment in all instructional areas to support student achievement.

D. Implementation Action Steps for Districts and Schools

1. The district will promote the resources to students such as DISCUS, StreamlineSC, Video on Demand, teacher websites, Follet/Destiny, the district library catalog.
2. The technology department will work with teachers in the Vertical-Team meetings, departmental meetings and so forth so that there is a technology component in each group's lessons.
3. The resource room will be organized and promoted for teacher resources and the teachers will be trained in sharing resources there.
4. The inventory will be studied to allow for aged equipment to be refreshed. The ideal classroom layout will be covered with school administrators so that classrooms are set up in the most effective ways and the connectivity has been addressed.

E. Funding Considerations for District and Schools

1. Technology refresh for classrooms
2. Replacement schedule for district technology equipment, i.e. UPS, hard drives, servers, etc.
3. Funding of the portal for collaboration to work smoothly
4. Funding for SchoolWires for communication, common calendar planning, etc

F. Evaluation of Objectives (including baseline data sources and ongoing data sources)

Strategies	Evaluation Method
The district will provide stable and easily accessible resources to students.	Downtime of resources is measured.
Teachers will be versed in the standards where technology resources can aid instruction.	Increase in the resources available from pre-assessment to post assessment for school years 2010 to 2013.
The district will maintain the teacher resource room for teacher resources.	The number of lesson plans in the teacher resource room will increase.
The district will support all special areas, regular classrooms and special education classrooms in lessons with technology integrated into them.	Technology components of training will be scheduled in each area. A calendar and roster of attendance will show the areas are supported.
The district will manage the equipment in all instructional areas to support student achievement.	HelpDesk email and annual software updates.
The district will provide a web site for online lesson plans.	The amount of lesson plans will be quantified.

G. Current Best Practices in District (if applicable)

Technology Dimension 4: Community Connections

A. Snapshot of Current Technology Use in District

School	Networked Desktop Computers	Networked Laptops	SmartBoards	Projectors
McCormick Elementary School	125	29	4	6
McCormick Middle School	125	59	8	20
McCormick High School	145	29	8	14
Merit Alternative Program	16	1	0	0
District Office	16	10	0	1
Total	427	98	20	41

B. Overall Goal for This Dimension

McCormick School District will use technology to create more partnerships with the community and parents to help increase student achievement.

C. Objectives, Strategies, and Action List to Reach Goal

Objectives	Strategies
4.1 Improve teacher communication with students and parents	A) The district will provide a system for teachers to easily post information on an individual teacher web page. B) Teachers will be trained on how to use the system and ways to maximize the instruction impact of a web system.
4.2 Allow parents and students access to computers and internet before/after school hours and during limited summer vacation hours	A) Keep school libraries or parenting center open with computers available 30 minutes each day and two half-day periods per week during the summer months.
4.3 Provide a method for schools to be able to contact parents and students	A) Use School Messenger call system for special announcements and emergency announcements at

	schools. B) Use teacher web-pages to post homework and projects.
4.4 Provide a full featured web page for each school and the district to inform parents of news, schedules, menus, and other programmatic and athletic activities	A) Maintain server and hosted site web presence. School web pages will be updated on a regular basis.
4.5 Provide and operate a parent portal which would securely provide parents with access to information about their children through a web interface	A) Organize a committee to develop and recommend the best strategies to be used in the implementation of the parent portal included in PowerSchool.

D. Implementation Action Steps for Districts and Schools

1. Procure and contract with a company to provide web hosting and content management of the district and each schools website which includes the ability for teachers to create a full-functioning multi-page web site.
2. Provide ongoing training to teachers on web page design, how to use the software, and provide information on how to maximize parental/community connection and collaboration.
3. Open the libraries or parenting center two half days per week during the summer and 30 minutes before or after school during the school year.
4. Evaluate the current use of the School Messenger call system and ways that it can be enhanced to increase community collaboration.
5. Train “webmasters” at each school to maintain school core web pages. Continue to train so that websites for school are consistent information sources for parents and community members.

E. Funding Considerations for District and Schools

1. Funding for SchoolWires for web hosting for increased community collaboration
2. Funding for on-going professional development on the use of web design and maintenance
3. Funding for the staffing of the library during summer on before/after regular school hours

F. Evaluation of Objectives (including baseline data sources and ongoing data sources)

Objectives	Baseline Data	Data Sources to be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Action List Items Achieved)				
			May 2010	May 2011	May 2012	May 2013	

G. Current Best Practices in District (if applicable)

Technology Dimension 5: Support Capacity

A. Snapshot of Current Technology Use in District

McCormick County School System has a gigabyte (1024MB) fiber backbone between all schools and 100MB switched to the desktop. All data closets in the district are connected via 12 strand mm fiber. All data closets have room for future growth. The district utilizes Microsoft, Novell, and Linux server platforms. We have standardized our server hardware platform to Dell® PowerEdge® brand district wide. All computers in the district run Microsoft Windows XP. Computers purchased come with the most current version of Microsoft Office Suite, which is the primary tool for teacher and student use. Current version is Office 2007 Professional. Teachers are provided network access to electronic gradebooks and student information systems for attendance and grades. All teachers, staff and students have access to the Internet and Microsoft Office. All Internet traffic is filtered and all servers and computers have antivirus software. All student computers at all locations are set up with the same configuration. This ensures the student has the same experience using the computer from Elementary to Middle to High. The district also utilizes network printers, whiteboards, projectors, and cameras.

B. Overall Goal for This Dimension

The goal of McCormick School District is to maintain and upgrade the technology resources to assist staff and students in meeting the state academic standards. McCormick County School District will seek to utilize E-rate funding for various technology needs. These items will include basic telephone service, email, internet access, networking infrastructure upgrades and maintenance. If awarded, these funds will help reduce the school district's technology cost.

C. Objectives, Strategies, and Action List to Reach Goal

Objectives	Strategies
5.1 The school districts will ensure that all instructional spaces have the technology resources that are easily available.	A) Maintain a technology inventory that takes into consideration special area instructional spaces. B) Implement a plan for the physical requirements for the technology in the instructional spaces. C) Communicate with students and teachers on their expectations and needs in the specific instructional areas.
5.2. The district will have a network that is up-to-date and secure.	A) Keep abreast of current technology available via meets, roundtables, workshops, and conferences.

	<p>B) Monitor all traffic in and out of the network.</p> <p>C) Install/Upgrade LightSpeed filter.</p> <p>D) Install antivirus, spyware, and malware software on all computers.</p>
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D. Implementation Action Steps for Districts and Schools

1. Upgrade the electronics infrastructure in all schools from 100MB to gigabyte to the desktop. The district's current data cabling will support this upgrade.
2. Upgrade district servers.
3. Upgrade districts wireless technology from 802.11b (11mb) to 802.11n (54mb).
4. Provide wireless access to all classrooms and public areas at all locations. The district will need to add wireless access points in order to accommodate wireless access.
5. Replace UPS's at all schools for protection of equipment.
6. Continue with rotation/replacement of old computers at all locations annually.
7. Install back-up system for redundancy at the complex.

E. Funding Considerations for District and Schools

1. Funding for technology staff/consultant
2. Funding for electronic infrastructure upgrade (100MB to gigabyte to the desktop).
3. Funding for upgrade of district servers
4. Funding for wireless access points
5. Funding for Firewall and virus protection
6. Funding for Technology refresh for all equipment (replacement schedule)
7. Funding for back-up system at the complex (for redundancy)

F. Evaluation of Objectives (including baseline data sources and ongoing data sources)

Strategies	Evaluation Method
Maintain a technology inventory that takes into consideration special area instructional locations.	Surveys of teachers
Implement a plan for the physical requirements for the technology in the instructional spaces.	Technology consultants notes on optimum technology arrangements as compared to actual classroom arrangements
Communicate with students and teachers on their expectations and needs in the specific instructional areas	Pre and post surveys
Monitor all traffic in and out of the network	Reports of the traffic

G. Current Best Practices in District (if applicable)

1. We have completed the installation and configuration of our SIF server and successfully integrated services with different vendors. We are now pursuing communications with our other vendors to determine the status of their SIF agents and how they may be best integrated.
2. We have implemented remote control services and automation that are improving the efficiency of our technical support staff.

Cumulative Benchmarks

Date	Benchmark
Prior to Plan Date:	1. Install Meal Plus 2. Move from SASI to PowerSchool
June –July 2010	1. Complete full inventory of equipment 2. Establish connection between Meals Plus and CSI to share data
August - December 2010	1. MAP Test 2. Upgrade electronic infrastructure 3. Upgrade district servers 4. Continue with upgrade/replace of old equipment (replacement schedule) 5. Replace/Upgrade/Maintenance of district E-rate equipment 6. PowerSchool Training Train teachers on a)student information system, b) Groupwise, c) electronic gradebook 7. Install back-up system at complex for redundancy 8. Replace district firewall (Support no longer available on current firewall.)
January – May 2011	1. Install wireless access ports throughout complex and surrounding areas 2. MAP Testing
June – July 2011	1. Letter to parents regarding upgrade/changes to website – highlighting new functions 2. Update software on all workstations (i.e. technology tune-up)
August – December 2011	1. MAP Testing 2. Continue with upgrade/replace of old equipment (replacement schedule) 3. Replace/Upgrade/Maintenance of district E-rate equipment 4. PowerSchool Training 5. Train teachers on a)student information system, b)Groupwise, c) electronic gradebook
January – May 2012	1. Implement EOC testing on-line
June – July 2012	1. Technology tune-up
August – December 2012	1. MAP Testing 2. Continue with upgrade/replace of old equipment (replacement schedule)

	3. Replace/Upgrade/Maintenance of district E-rate equipment 4. PowerSchool Training 5. Train teachers on a) student information system, b) Groupwise, c) electronic gradebook
January – May 2013	1. MAP Testing
June – July 2013	1. technology tune-up
August – December 2013	1. MAP Testing 2. Continue with upgrade/replace of old equipment (replacement schedule) 3. Replace/Upgrade/Maintenance of district E-rate equipment 4. PowerSchool Training 5. Train teachers on a) student information system, b) Groupwise, c) electronic gradebook

Acknowledgements

Name	Position
Kelly Coxe	Technology Coordinator / Director of Secondary Instruction
Beverly Hall	Elementary/Middle School Media Specialist
Jean Covar	High Media School Specialist
Eleanor Rice	Elementary School Principal
Gena Wideman	Middle School Principal
John Greene	High School Principal
Jimmy Hughes	Middle School Administrative Assistant
Cherri Braswell	CATE Business Teacher
Susan Bussell	Middle and High School Curriculum Coordinator
Mary Greene Thomasson	Director of Elementary Instruction
Jackie Brown	Office of Communication and Public Relations
Toye Willis	Elementary School Literacy Coach
Wanda Anderson	Technology Administrative Assistant
Cindy Maddox	Middle School Teacher
Pam Turman	Elementary School Teacher

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Required Appendixes

Appendix 1: No Child Left Behind Action Plan

The No Child Left Behind Act (NCLBA), the reauthorization of the Elementary and Secondary Education Act that was enacted in January 2001, sets forth new requirements for state and school district technology plans. In addition to mandating that each district have a current and approved technology plan that meets all state and federal requirements, the NCLBA (Title II, Part D: Enhancing Education through Technology, Section 2414, Local Applications) requires that in order for a school district to apply for competitive and formula grants under the Act, that district’s technology plan must contain the following specific narratives:

- 1. A description of how your district will use federal funds including Enhancing Education through Technology (E2T2) competitive and/or formula funds to improve the academic achievement, including the technology literacy, of all students attending the schools served and to improve the capacity of all teachers teaching in these schools to integrate technology effectively into curricula and instruction.**

The District will use E2T2 and district funds to provide staff development for improved instruction. This will include training specific to electronic whiteboards, Microsoft Office 2007, and software that is school specific. All of these enhancements have been shown to have a positive impact on student achievement.

2. **A description of your school district's specific goals for using advanced technology to improve student academic achievement aligned with challenging state academic content and student academic achievement standards. This explanation should include a description of the curriculum and teaching strategies that integrate technology effectively into curricula and instruction, based on an intensive review of relevant research.**

The methods and equipment outlined in question one have been shown to improve engagement and student achievement. The district uses North Western Evaluation Association (NWEA) Measures of Academic Progress (MAP) tests to provide teachers detailed feedback on how their class is performing on each instructional area. The district provides teachers and administrators with help in using data from the MAP test.

3. **A description of the steps your district will take to ensure that all students and teachers in schools served by the local education agency have increased access to educational technology.**

Funds are distributed to schools on an equitable basis except where specific funding is directed toward specific targeted populations by the funding source.

4. **A description of how your district will use the E2T2 competitive and/or formula funds (including the combining of these funds with monies from other federal, state, and/or local sources) to help ensure that students in high-poverty and high-needs schools have access to technology and to ensure that teachers are prepared to integrate technology effectively into curricula and instruction.**

The district has approximately 88.13% free and reduced lunch and the funds will be assigned to serve these populations.

5. **A description of how your district will provide ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel serving the local education agency, to further the effective use of technology in the classroom or library media center, including, if applicable, a list of the entities that will be partners with the local education agency involved in providing the ongoing, sustained professional development.**

The district uses the SC Department of Education ePortfolio system for teacher assessment and monitoring. All continuing teachers have to participate in six hours yearly of technology training which is conducted during ongoing professional development activities.

6. **A description of the type and costs of technologies to be acquired for your technology program through the use of E2T2 competitive and/or formula funds, including supporting sources such as services, software, and digital curricula. Your**

explanation should include specific provisions for interoperability among the components of such technologies.

The purchased equipment (see question #1) will all be compatible with school, district, and state programs and systems. All purchases are monitored and procured through the district Technology Department in order to assure interoperability.

- 7. A description of how your district will integrate technology (including software and other electronically delivered learning materials) into curricula and instruction to support standards-based learning and provide a timeline for such integration.**

We currently use standards based software at the Elementary School such as ClassWorks that is linked directly to our NWEA MAP scores. This assigns the lessons for students based on their MAP scores. Other software is used in the district, such as Reading Plus, Study Island, Successmaker, and OdysseyWare that offer the use of technology to support standards.

- 8. A description of how your district will encourage the development and utilization of innovative strategies for the delivery of specialized or rigorous academic courses and curricula through the use of technology, including distance learning technologies, particularly for those areas that would not otherwise have access to such courses and curricula due to geographical isolation or insufficient resources.**

The district allows teachers to write mini-grants for technology which describe their innovative plans for the technology, their ability to utilize the resources and/or participate in training, and the expected student outcomes. Virtual learning is used in the district.

- 9. A description of how your district will ensure the effective use of technology to promote parental involvement and increase communication with parents, including a description of how parents will be informed of the technology being applied in their child's education. Explain how these strategies will allow parents to reinforce at home the instruction their child receives at school.**

Each school will implement a technology night and/or continue to participate in the annual Education Expo where technology initiatives and integration will be highlighted. In addition, the district will provide real time web access portal to student grades, attendance, discipline records, homework assignments, and an up-to-date calendar of events.

- 10. A description of how programs in your district will be developed, where applicable, in collaboration with adult literacy service providers, to maximize the use of technology.**

McCormick School District and the Adult Education Department continue to work closely to develop these collaborations and plan the use of technology together.

11. **A description of the process and accountability measures that your district will use to evaluate the extent to which the activities in your technology plan, including those activities funded under the E2T2 program, are effective in integrating technology into curricula and instruction, increasing the ability of teachers to teach, and enabling students to meet challenging state academic content and student academic achievement standards.**

The district monitors the student performance of students using the MAP testing. These results are monitored by student, classroom, grade level, grade, and school. Any special programs implemented can also be monitored using this level of student achievement. Electronic web-forms and surveys are also used to obtain responses.

12. **A description of the supporting resources (such as services, software, other electronically delivered learning materials, and print resources) that will be acquired to ensure successful and effective uses of technology.**

The district has adopted a budget which allows for a robust infrastructure throughout the WAN and connectivity to the Internet, and has almost 550 computers, a five-year replacement cycle of computers, servers, switches, and other network equipment. All networking software and Dell equipment and services are updated as needed.

Appendix 2: Teacher Technology Proficiency Proviso

McCormick School district has adopted the ePortfolio system provided by the S.C. Department of Education. See the description of the District's under "Dimension 3: Professional Capacity."

Appendix 3: Acceptable Use Policy

McCormick School District's acceptable use policy is available on-line in the policy manual at: <http://www.mccormick.k12.sc.us/Board%20Policies.html>

Appendix 4: How E-Rate Areas Have Been Addressed

The E-rate discount program requires that school district technology plans address the five areas enumerated below and that the district technology plan be approved by the SDE in order for E-rate discounts for telecommunications services and internal wiring to be claimed. The E-rate discount program recommends either a three- or five-year plan with annual updates. The Telecommunications Act of 1996, which created the E-rate program, does not specify a particular format or technical implementation. Districts are free to develop plans to address these requirements in any manner they wish, using any technology they deem

appropriate. In addition, it is not necessary that school districts completely rewrite their technology plans every three or five years. An annual update that outlines what was accomplished during the year in terms of these five requirements and what will be accomplished in the New Year, along with a revised budget for the upcoming fiscal year, will suffice.

The Telecommunications Act of 1996 stipulates the following:

- 1. The district technology plan must establish clear goals and a realistic strategy for using telecommunications and information technology to improve education and library services.**

The District Technology plan does identify goals and realistic strategies under each Dimension.

- 2. The district technology plan must have a professional development strategy to ensure that staff members know how to use the new technologies to improve education.**

One of the strengths of the district's technology plan is that it does include a strong professional development component. See "Dimension 3: Professional Capacity."

- 3. The district technology plan must include an assessment of the telecommunications services, hardware, software, and other services that will be needed to improve education.**

These items are listed throughout the plan and budget.

- 4. The district technology plan must provide for a sufficient budget to acquire and maintain the hardware, software, professional development, and other services that will be needed to implement the strategy for improved education. Specifically, how does the district intend to fund those items of equipment, software, services, and training not covered by the E-rate discount? It is recommended that a plan for hardware refreshment be built into all district technology plans.**

The technology budget does cover the items listed in the plan including additional services needed to implement the strategies and action steps. Some of the funding is based on expected revenue from state and other sources and funding for those steps are not within the control of the district.

- 5. The district technology plan must include an evaluation process that enables the district and its schools to monitor progress toward the specified goals and make midcourse corrections in response to new developments and opportunities as they arise.**

There is an evaluation process at the end of each Dimension. This will be used to evaluate the progress and will guide adjustment to the plan as it is reviewed on a yearly basis.

Appendix 5: Report on Last Year's Progress toward Goals, Objectives, Strategies, Benchmarks, Actions, and Outcomes

School	Networked Desktop Computers	Networked Laptops	SmartBoards	Projectors
McCormick Elementary School	125	29	4	6
McCormick Middle School	125	59	8	20
McCormick High School	145	29	8	14
Merit Alternative Program	16	1	0	0
District Office	16	10	0	1
Totals	427	98	20	41

Appendix 6: District Survey

McCormick School District Technology Survey 2009-2010

Please take a moment to complete the survey below using the following guide:

- A response of one (1) indicates that this item is not a barrier.
- A response of five (5) indicated that this item is a strong barrier.

(5-Very Strong Barrier 4-Strong Barrier 3 – Weak Barrier 2-Very Weak Barrier 1-Not a Barrier)

What are the Barriers to Using Technology in Instruction?	1	2	3	4	5
Limited Access to Up-to-Date Computers and Technology					
Not Enough Instructional Software					
Too much Down Time When Equipment Malfunctions					
Not Enough Training Opportunities					
Don't Know How To Integrate Technology					
Not Enough Planning Time to Plan Lessons					
Lack of Instructional Support for Technology Projects					
Lack of Faculty Recognition for Integration Efforts					
Lack of Availability for Printing					
Speed of Internet Access					

Appendix 7: Budget

2010-2011

\$15,000	provided by district for web hosting and web development services, <i>erate discounts sought</i>
\$15,000	provided by district for back-up software and equipment
\$20,000	provided by district for replacement of district firewall, <i>erate discounts sought</i>
\$6,000	provided by the district to purchase Destiny (\$3,000/media center)
\$25,000	provided by district to update business lab at MHS
\$60,000	provided by district for purchase of SmartBoards & LCD projectors for MHS
\$80,000	provided by district for desktop replacement (5-yr. replacement – per replacement plan) <Approximately 75 computers/year>
\$120,000*	provided by district for technology support services, <i>erate discounts sought</i>
\$15,000	provided by district for budgeted telephone services, <i>erate discounts sought</i>
\$30,000	provided by district for document management system (maintenance and upkeep)
\$3,000	provided by district for replacement printers
\$20,000	provided by district for teacher laptop replacement
\$350,000**	provided by district for equipment upgrade and maintenance, <i>erate discounts sought</i> <electronic switches / routers / hubs / servers>
\$50,000	provided by district for staff development training (\$5,000/day for 10 days)
\$2,000	provided by district for Symantec Antivirus
5,000	provided by district for Lightspeed – Total Traffic Control
\$6,000	provided by district for Novell SLA
\$1,200	provided by district for School Messenger
\$13,000	provided by district for CSI
\$15,000	provided by district for OdysseyWare
\$10,000	provided by district for MAP
\$55,000	provided by district for AOR/AOM
\$40,000	provided by district for Classworks
\$5,000	provided by district for Testview
\$6,500	provided by district for purchase of 2 SmartBoards & LCD projectors/yr, then follow replacement schedule
\$1,000	provided by district for LCD bulb replacement

2011-2012

\$80,000	provided by district for desktop replacement (5-yr. replacement – replacement plan)
\$120,000*	provided by district for technology support services, <i>erate discounts sought</i>
\$15,000	provided by district for budgeted telephone services, <i>erate discounts sought</i>
\$30,000	provided by district for document management system (maintenance and upkeep)
\$3,000	provided by district for replacement printers

\$20,000	provided by district for teacher laptop replacement
\$50,000**	provided by district for equipment and maintenance (per replacement schedule), <i>erate discounts sought</i> <electronic switches / routers / hubs / servers>
\$50,000	provided by district for staff development training (\$5,000/day for 10 days)
\$2,000	provided by district for Symantec Antivirus
\$5,000	provided by district for Lightspeed – Total Traffic Control
\$6,000	provided by district for Novell SLA
\$1,200	provided by district for School Messenger
\$13,000	provided by district for CSI
\$15,000	provided by district for OdysseyWare
\$10,000	provided by district for MAP
\$55,000	provided by district for AOR/AOM
\$40,000	provided by district for Classworks
\$5,000	provided by district for Testview
\$6,500	provided by district for purchase of 2 SmartBoards & LCD projectors/yr, then follow replacement schedule
\$2,400	provided by district for Destiny (\$1,200/center x2 centers)
\$1,000	provided by district for LCD bulb replacement
\$4375	provided by district for arc server back-up (\$875/server x 5 servers)

2012-2013

\$80,000	provided by district for desktop replacement (5-yr. replacement – replacement plan)
\$120,000*	provided by district for technology support services, <i>erate discounts sought</i>
\$15,000	provided by district for budgeted telephone services, <i>erate discounts sought</i>
\$30,000	provided by district for document management system (maintenance and upkeep)
\$3,000	provided by district for replacement printers
\$20,000	provided by district for teacher laptop replacement
\$50,000**	provided by district for equipment and maintenance (per replacement schedule), <i>erate discounts sought</i> <electronic switches / routers / hubs / servers>
\$50,000	provided by district for staff development training (\$5,000/day for 10 days)
\$2,000	provided by district for Symantec Antivirus
5,000	provided by district for Lightspeed – Total Traffic Control
\$6,000	provided by district for Novell SLA
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\$55,000	provided by district for AOR/AOM
\$40,000	provided by district for Classworks
\$5,000	provided by district for Testview
\$6,500	provided by district for purchase of 2 SmartBoards & LCD projectors/yr, then follow replacement schedule
\$2,400	provided by district for Destiny (\$1,200/center x2 centers)
\$1,000	provided by district for LCD bulb replacement

\$4375 provided by district for arc server back-up (\$875/server x 5 servers)

***Has been covered by e-rate for each year since 2002-2003. However, funds are not guaranteed and must be budgeted.**

****Reimbursement for this expense is eligible through e-rate two years out of a five year cycle. However, funds are not guaranteed and must be budgeted.**

Appendix 8: Replacement Schedule

X=REPLACE/due	QUANTITY	YEAR 2011- 2012	YEAR 2012- 2013	YEAR 2013- 2014	YEAR 2014- 2015	YEAR 2015- 2016	NOTES:
ITEM							
SOFTWARE / ANNUAL							
NOVELL		X	X	X	X	X	ERATE
SYMANTEC ANTIVIRUS		X	X	X	X	X	
MAP		X	X	X	X	X	
ACADEMY OF READING/MATH		X	X	X	X	X	
LIGHTSPEED FILTER		X	X	X	X	X	
TESTVIEW		X	X	X	X	X	
CSI		X	X	X	X	X	
SUCCESSMAKER		X	X	X	X	X	
SCHOOL MESSENGER		X	X	X	X	X	
CLASSWORKS		X	X	X	X	X	
ODYSSEYWARE		X	X	X	X	X	
<u>SERVERS</u>							
	CSI						
	MEALS PLUS						
	LIGHTSPEED						
	ACADEMY OF READING/MATH						
BOE DELL 4600	TESTVIEW						
BOE DELL 2800	MAP						
BOE DELL 2800	SUNS SERVER						
BOE DELL 2950	BACK UP STORAGE						
BOE DELL MD1000	BACK UP SERVER						
BOE DELL 1950	AIG SCANNING						
BOE DELL 2950	MAIL-SASI	X					ERATE
	MATH						
MHS DELL 2600	READING						
MHS DELL 2600	MAIL-SASI	X					ERATE
MMS DELL 2600	CCC						

X=REPLACE/due			YEAR 2011- 2012	YEAR 2012- 2013	YEAR 2013- 2014	YEAR 2014- 2015	YEAR 2015- 2016	
ITEM		QUANTITY						NOTES:
MES		125	X	X	X	X	X	REPLACE AS NEEDED
MMS		125	X	X	X	X	X	REPLACE AS NEEDED
MHS		145	X	X	X	X	X	REPLACE AS NEEDED
BOE		16	X	X	X	X	X	REPLACE AS NEEDED
<u>LAPTOP COMPUTERS</u>								
DELL 3500 SERIES	NEED TO TRASH	25						
DELL 5000 SERIES	NEED TO TRASH	25						
DELL 8100 SERIES	NEED TO TRASH	15						
DELL D800 SERIES		15						
DELL LATITUDE D531	Dell D531 Latitude	88	X	X	X	X	X	REPLACE AS NEEDED